

**CRF Errors Edited by the STIC Systems  
Branch**

Serial Number: 10/500,346

CRF Edit Date: 7/13/04  
Edited by: YK

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

**ENTERED**

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

☒ Other: Corrected <131> to <130>  
numeric identifier for file ref.



PCT

## RAW SEQUENCE LISTING

DATE: 07/13/2004

PATENT APPLICATION: US/10/500,346

TIME: 16:27:31

Input Set.: A:\pto.kd.txt

Output Set: N:\CRF4\07132004\J500346.raw

3 <110> APPLICANT: ENDO, Yaeta  
 4 SAWASAKI, Tatsuya  
 6 <120> TITLE OF INVENTION: Nucleotidic Sequence Having Translation Efficiency  
 Regulatory Activity  
 7 and Use Thereof  
 9 <130> FILE REFERENCE: 3190-059  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/500,346  
 12 <141> CURRENT FILING DATE: 2004-06-25  
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP02/13756  
 15 <151> PRIOR FILING DATE: 2002-12-27  
 17 <150> PRIOR APPLICATION NUMBER: JP 2001-396941  
 18 <151> PRIOR FILING DATE: 2001-12-27  
 20 <160> NUMBER OF SEQ ID NOS: 145  
 22 <170> SOFTWARE: PatentIn version 3.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 76  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Artificial  
 29 <220> FEATURE:  
 30 <221> NAME/KEY: misc\_feature  
 31 <223> OTHER INFORMATION: Synthetic DNA.  
 33 <400> SEQUENCE: 1  
 34 cgatttaggt gacactatag aactcaccta tctcbbbbbb bbbbbbbbbb bbbbbbattgg 60  
 35 aagacgccca aaaacat 76  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 76  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Artificial  
 42 <220> FEATURE:  
 43 <221> NAME/KEY: misc\_feature  
 44 <223> OTHER INFORMATION: Synthetic DNA.  
 46 <400> SEQUENCE: 2  
 47 cgatttaggt gacactatag aactcaccta tctcvvvvvv vvvvvvvvvv vvvvvvatgg 60  
 48 aagacgccca aaaacat 76  
 50 <210> SEQ ID NO: 3  
 51 <211> LENGTH: 76  
 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Artificial  
 55 <220> FEATURE:  
 56 <221> NAME/KEY: misc\_feature  
 57 <223> OTHER INFORMATION: Synthetic DNA.  
 W--> 58 <400> SEQUENCE: 3  
 59 cgatttaggt gacactatag aactcaccta tctchhhhhh hhhhhhhhhh hhhhhhatgg 60  
 60 aagacgccca aaacat 76

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Input Set : A:\pto.kd.txt

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62 <210> SEQ ID NO: 4
63 <211> LENGTH: 20
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <223> OTHER INFORMATION: Synthetic DNA.
71 <400> SEQUENCE: 4
72 gtcagacccc gtagaaaaga                                20
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 112
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <223> OTHER INFORMATION: Synthetic DNA.
83 <400> SEQUENCE: 5
84 cgatttaggt gacactatag aactcaccta tctchhhhhh hhhhhhhhhh hhhhhhhhhh 60
85 hhhhhhhhhh hhhhhhhhhh hhhhhhhhhh haatggaaga cgccaaaaac at        112
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 27
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <223> OTHER INFORMATION: Synthetic DNA.
96 <400> SEQUENCE: 6
97 ggtgacacta tagaactcac ctatctc                                27
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 20
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial
104 <220> FEATURE:
105 <221> NAME/KEY: misc_feature
106 <223> OTHER INFORMATION: Synthetic DNA
108 <400> SEQUENCE: 7
109 tatgcagttg ctctccagcg                                20
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 20
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <223> OTHER INFORMATION: Synthetic DNA.
120 <400> SEQUENCE: 8
121 ggagagcaac tgcataaggc                                20
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 20
125 <212> TYPE: DNA

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DATE: 07/13/2004

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Input Set : A:\pto.kd.txt

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```

126 <213> ORGANISM: Artificial
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <223> OTHER INFORMATION: Synthetic DNA.
132 <400> SEQUENCE: 9
133 agcgtcagac cccgtagaaa                                20
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 21
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <223> OTHER INFORMATION: Synthetic DNA.
144 <400> SEQUENCE: 10
145 gcgtagcatt taggtgacac t                                21
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 57
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <223> OTHER INFORMATION: Synthetic DNA.
156 <400> SEQUENCE: 11
157 cccaacacct aataacattc aatcactctt tccactaacc acctatctac atcacca    57
160 <210> SEQ ID NO: 12
161 <211> LENGTH: 57
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <223> OTHER INFORMATION: Synthetic DNA.
169 <400> SEQUENCE: 12
170 ataccactca atcccacact cacaccatcc cacacatccc ccacccatt ttctcca    57
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 57
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <221> NAME/KEY: misc_feature
179 <223> OTHER INFORMATION: Synthetic DNA.
181 <400> SEQUENCE: 13
182 ccaccacatt catccatcct ctactcacta tatcaacccc tccacttacc tctccac    57
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 57
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <223> OTHER INFORMATION: Synthetic DNA.

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```

193 <400> SEQUENCE: 14
194 cctaacta cacaaccta tcaattcata ttttctaccc tcaactcactc actccca 57
196 <210> SEQ ID NO: 15
197 <211> LENGTH: 57
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <223> OTHER INFORMATION: Synthetic DNA.
205 <400> SEQUENCE: 15
206 ctataaaccc accttaccaa tctccacatt caatatctct ccccttaccc tcatcac 57
208 <210> SEQ ID NO: 16
209 <211> LENGTH: 57
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <223> OTHER INFORMATION: Synthetic DNA.
217 <400> SEQUENCE: 16
218 atctcaatac tacatctaac accaaacatc ctcccatcca cccataacac tccacct 57
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 57
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <221> NAME/KEY: misc_feature
227 <223> OTHER INFORMATION: Synthetic DNA.
229 <400> SEQUENCE: 17
230 taccacacatt caccactctc actaatatat taaccaatcc tattaaaaca acccacc 57
232 <210> SEQ ID NO: 18
233 <211> LENGTH: 57
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <221> NAME/KEY: misc_feature
239 <223> OTHER INFORMATION: Synthetic DNA.
241 <400> SEQUENCE: 18
242 ctctactcac catttacctc caactcttcc ctacaatcta cccatcccct tcattat 57
244 <210> SEQ ID NO: 19
245 <211> LENGTH: 57
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <223> OTHER INFORMATION: Synthetic DNA.
253 <400> SEQUENCE: 19
254 ccccccccct tacaattcca caaacacttt ctctttctat ctacctaaa atacttc 57
256 <210> SEQ ID NO: 20
257 <211> LENGTH: 57

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,346

DATE: 07/13/2004

TIME: 16:27:31

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\07132004\J500346.raw

```

258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <223> OTHER INFORMATION: Synthetic DNA.
265 <400> SEQUENCE: 20
266 ccaacaccaa taccaactcc actcacctat ctccacctca cacacacttt tccatcc 57
268 <210> SEQ ID NO: 21
269 <211> LENGTH: 57
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <221> NAME/KEY: misc_feature
275 <223> OTHER INFORMATION: Synthetic DNA.
277 <400> SEQUENCE: 21
278 tcttccacct tatccaccc acatccaatg cacataaaca ttctctccat tttttct 57
280 <210> SEQ ID NO: 22
281 <211> LENGTH: 57
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial
285 <220> FEATURE:
286 <221> NAME/KEY: misc_feature
287 <223> OTHER INFORMATION: Synthetic DNA.
289 <400> SEQUENCE: 22
290 cccagtccca aaccacttca atttccttcc caccatccta accaattacc attaccc 57
292 <210> SEQ ID NO: 23
293 <211> LENGTH: 57
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <223> OTHER INFORMATION: Synthetic DNA.
301 <400> SEQUENCE: 23
302 aactcaccat caaccaccct tcaacacccc atcttccctt accactactc taccaca 57
304 <210> SEQ ID NO: 24
305 <211> LENGTH: 57
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial
309 <220> FEATURE:
310 <221> NAME/KEY: misc_feature
311 <223> OTHER INFORMATION: Synthetic DNA.
313 <400> SEQUENCE: 24
314 tccacaacaa caccctcaca ccccatcata atctaatacta catttccata tttcaca 57
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 57
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/500,346

DATE: 07/13/2004  
TIME: 16:27:32

Input Set : A:\pto.kd.txt  
Output Set: N:\CRF4\07132004\J500346.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:32; N Pos. 3

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27  
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51  
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75  
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99  
Seq#:100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117  
Seq#:118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135  
Seq#:136,137,138,139,140,141,142,143,144

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/500,346

DATE: 07/13/2004

TIME: 16:27:32

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\07132004\J500346.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:58 M:283 W: Missing Blank Line separator, <400> field identifier

L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0